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› Heybike YM1 Electric Mountain Bike User Manual

## Heybike YM1

# Heybike YM1 Electric Mountain Bike User Manual

Model: YM1

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## 1. SAFETY INFORMATION

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Read this manual thoroughly before operating your Heybike YM1 Electric Mountain Bike. Failure to follow instructions and safety warnings may result in serious injury or property damage. Always wear a helmet and appropriate safety gear when riding. Ensure all components are properly assembled and secured before each ride.

- Always wear a certified helmet and appropriate safety gear.
- Perform a pre-ride inspection: check brakes, tire pressure, battery charge, and all fasteners.
- Obey all local traffic laws and regulations.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Do not attempt to modify the bike's electrical system or motor.
- Keep hands and feet away from moving parts.
- Ensure the battery is securely locked in place before riding.

## 2. PRODUCT OVERVIEW

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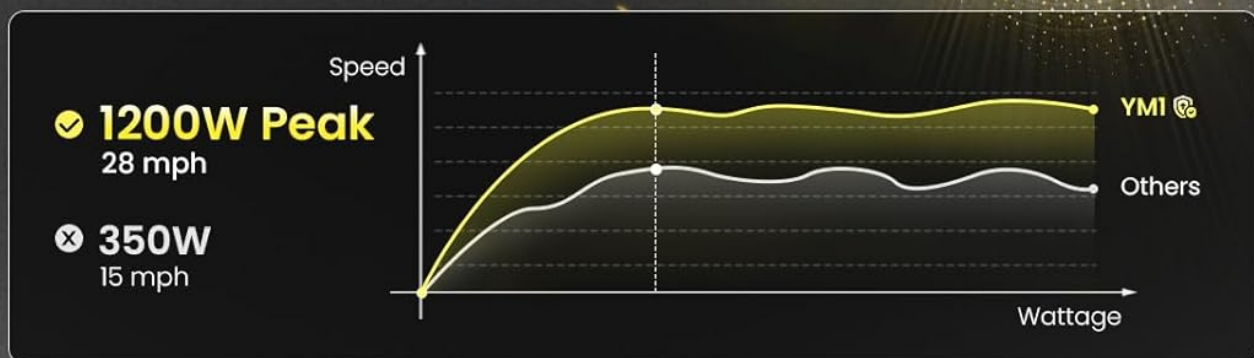
The Heybike YM1 is an electric mountain bike designed for adults, featuring a powerful motor, removable battery, and robust construction for various riding conditions.

# Powerful Brushless Motor

# 1200W



## Stable Output



 **1200W**  
Peak

 **28**  
mph

 **60 N.M**  
Max Torque

 **15°**  
Slope

Figure 2.1: The Heybike YM1 Electric Mountain Bike, showcasing its overall design and components.

### Key Features:

- **Motor:** 750W (1200W Peak) Brushless Motor
- **Battery:** 48V 10Ah (480WH) Removable Lithium Battery

- **Speed:** Up to 22 MPH (28 MPH with delimiting, check local regulations)
- **Range:** 31-50 miles per charge (depending on mode and terrain)
- **Tires:** 27.5-inch Puncture-Resistant Tires
- **Gears:** 7-Speed Shimano Gear System
- **Suspension:** High-Strength Front Suspension Fork with Lockout
- **Brakes:** Dual Disc Brakes
- **Display:** Smart LCD Display
- **Frame:** High-Carbon Steel Triangular Frame
- **Additional Features:** Adjustable Ergonomic Seat, Bright LED Headlight, Sturdy Fenders, Reflective Warning Device

## Detailed Components:



Figure 2.2: Illustration of the powerful 1200W peak brushless motor, detailing its internal structure and stable output performance compared to other motors.



Figure 2.3: Close-up of the 27.5-inch ultra-durable tires and upgraded front suspension, highlighting 65% shock absorption, stability, adjustable lockout, and enhanced durability.



Figure 2.4: Features of the Heybike YM1's considerate design, including an ergonomic seat for comfort, an adjustable riser for handlebar height, and sturdy fenders for protection.



Figure 2.5: Practical details of the Heybike YM1, showing the bright front light, professional 7-speed gear system, reflective warning device, and ultra-sensitive dual disc brakes for instant stopping.



Figure 2.6: Heybike YM1 E-Bike Dimension Diagram. This image shows the overall dimensions of the bike, including seat tube, chainstay, effective top tube, head tube, handlebar height, minimum and maximum seat height, wheelbase, wheel diameter, and total length. It also indicates a load capacity of 330 lbs, recommended height of 5'4"-6'4", and a bicycle weight of 57.3 lbs.

## 3. SETUP AND ASSEMBLY

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Your Heybike YM1 Electric Mountain Bike comes 90% pre-assembled. Follow these steps to complete the assembly and prepare for your first ride.

1. **Unpacking:** Carefully remove the bike and all components from the packaging. Retain packaging for future transport or storage.
2. **Handlebar Installation:** Attach the handlebar to the stem, ensuring it is centered and tightened securely. Adjust the angle for comfortable riding.
3. **Front Wheel Installation:** Install the front wheel, ensuring the disc brake rotor is correctly aligned with the caliper. Secure the quick-release skewer or axle nuts.
4. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms by hand, then tighten securely with a wrench. Note that the left pedal has a reverse thread.
5. **Seat Post and Saddle Adjustment:** Insert the seat post into the frame and adjust the saddle height for comfortable pedaling. Ensure the quick-release clamp is tightened firmly.
6. **Fender Installation:** Attach the front and rear fenders using the provided hardware.

7. **Battery Installation:** Insert the fully charged battery into its compartment on the frame and lock it securely with the key.
8. **Pre-Ride Checks:** Before your first ride, double-check all bolts, nuts, and quick releases for tightness. Ensure tires are inflated to the recommended pressure. Test the brakes and all electrical functions.

*Refer to the assembly video on the product page for visual guidance if needed.*

## 4. OPERATING INSTRUCTIONS

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### 4.1 Battery Operation



Figure 4.1: The 480WH removable battery for the Heybike YM1. This image highlights the battery's features including fast charging, 40% longer lifespan, and overcharge protection. It also shows a comparison of range with YM1 offering up to 30 miles on throttle and up to 50 miles on PAS mode, compared to other bikes.

- **Charging:** Connect the charger to the bike's charging port or directly to the removed battery. The indicator light on the charger will show charging status. A full charge typically takes 5-6 hours.
- **Removal:** Use the provided key to unlock the battery from the frame. Carefully slide the battery out.
- **Installation:** Slide the battery back into the frame until it clicks into place, then lock it with the key. Ensure it is secure before riding.
- **Overcharge Protection:** The battery features built-in overcharge protection to prevent damage.

### 4.2 Powering On/Off and LCD Display



Figure 4.2: The advanced LCD display of the Heybike YM1. This image details the display's functions including battery indicator, speed, mileage, PAS level, lighting, and fault alerts. It emphasizes user-friendly features, clear readout, and riding record capabilities.

- **Power On:** Press and hold the power button on the LCD display for a few seconds.
- **Power Off:** Press and hold the power button again to turn off the system.
- **Display Functions:** The LCD display shows current speed, battery level, pedal assist (PAS) level, mileage, and can indicate fault alerts or lighting status.

### 4.3 Riding Modes



Figure 4.3: Heybike YM1 E-Bike 3+1 Riding Modes. This image illustrates the different riding modes and their approximate ranges: Pedal-Assist Mode (up to 50 miles), Walk-Assist Mode (35-40 miles), Throttle Mode (25-30 miles), and Pedal Only Mode (no limits).

- **PAS Mode (Pedal Assist System):** Provides motor assistance while you pedal. Select from levels 1 to 3 on the display to adjust the assistance level.
- **Pure Electric Mode (Throttle):** Twist the throttle to engage the motor without pedaling. The motor provides power in increments based on throttle input.
- **PAS and Electric Combination Mode:** Combines pedal assist with throttle for extended range and reduced fatigue.
- **Pedal Mode:** Ride the bike like a traditional bicycle without any motor assistance.

#### 4.4 Gear System



Figure 4.4: Smooth 7-Speed Gear System. This image shows the rear derailleurs and cassette, highlighting the Shimano gear system for precise control, ideal for beginners.

The Heybike YM1 is equipped with a 7-speed Shimano gear system. Use the twist grip shifter on the handlebar to change gears, allowing you to adapt to different terrains and riding conditions. Shift to lower gears for climbing hills and higher gears for flat terrain or downhill riding.

#### 4.5 Braking System



Figure 4.5: Efficient Dual Disc Brakes. This image illustrates the front and rear disc brakes, emphasizing their stable braking system for immediate stopping power.

The bike features front and rear dual disc brakes for reliable stopping power. Always apply both brakes simultaneously for balanced and effective braking. Test brakes before each ride.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your Heybike YM1. Perform these checks regularly:

- **Tires:** Check tire pressure before each ride. Maintain recommended pressure to prevent punctures and ensure optimal performance. Inspect tires for wear and damage.
- **Brakes:** Regularly check brake pads for wear and replace as needed. Ensure brake levers are responsive and cables are not frayed. Adjust brake tension if necessary.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
- **Battery:** Store the battery in a cool, dry place. If storing for extended periods, charge it to 50-70% every 1-2 months. Avoid fully discharging the battery.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases for tightness. Loose components can affect safety and performance.
- **Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- **Suspension Fork:** Inspect the front suspension for proper function. The lockout feature allows you to stiffen the fork for efficient pedaling on smooth surfaces.

## 6. TROUBLESHOOTING

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This section addresses common issues you might encounter with your Heybike YM1 Electric Mountain Bike.

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged, battery not properly installed, loose connection.	Charge the battery. Ensure battery is fully inserted and locked. Check all cable connections.
Motor not assisting.	PAS level set to 0, throttle not engaged, brake levers engaged, motor error.	Increase PAS level. Ensure throttle is twisted. Release brake levers. Check LCD for error codes.
Short battery range.	Riding in high assist/throttle mode, low tire pressure, heavy load, frequent starts/stops.	Use lower PAS levels. Maintain correct tire pressure. Reduce load. Ride smoothly.
Brakes feel weak.	Worn brake pads, loose cables, air in hydraulic system (if applicable).	Inspect and replace brake pads. Adjust brake cable tension. Consult a professional for hydraulic brake issues.
Gears not shifting smoothly.	Dirty or unlubricated chain, misaligned derailleur, stretched cable.	Clean and lubricate the chain. Adjust derailleur. If issues persist, consult a bike mechanic.

If you encounter issues not listed here or require further assistance, please contact Heybike customer support.

## 7. SPECIFICATIONS

Feature	Detail
Bike Type	Electric Bike
Model Name	Heybike YM1
Age Range	Adult
Motor	750W (1200W Peak) Brushless Motor
Battery	48V 10Ah (480WH) Removable Lithium Battery
Max Speed	22 MPH (up to 28 MPH with delimiting)
Range	31-50 Miles per charge
Charging Time	5-6 hours
Wheel Size	27.5 Inches
Number of Speeds	7
Frame Material	High-Carbon Steel
Suspension Type	Front (Lockable)
Brake Style	Disc (Dual)
Max Load Capacity	330 lbs
Bicycle Weight	57.3 lbs
Recommended Height	5'4" - 6'4"
Assembly Required	Yes (90% pre-assembled)

## 8. WARRANTY AND SUPPORT

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Heybike provides comprehensive support for your YM1 Electric Mountain Bike.

- **Warranty:** The Heybike YM1 comes with a 12-month warranty covering manufacturing defects. This ensures quality support and peace of mind.
- **Assembly Support:** Easy-to-follow assembly videos and user manuals are available on the product page.
- **Customer Service:** Our professional support team is available to assist you with any questions or concerns.

### Contact Information:

#### Phone Support:

+1 888-301-6908

+1 888-859-1518

(Mon.-Sat. 7:00-16:00 PST)

#### Email Support:

support@heybike.com

**We are Standing Behind You!**  
YM1/Every Penny You Spend, Worth Every Moment.

**24-hours**  
On-1-On Online Service

**30-days**  
Easy Return

**365-days**  
Extended Coverage

Figure 8.1: Heybike Customer Service. This image provides contact details for support, including phone numbers and a QR code for email support.

